

O. H. M. S.

*W. J. Gerald*  
Deputy Minister.

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LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA

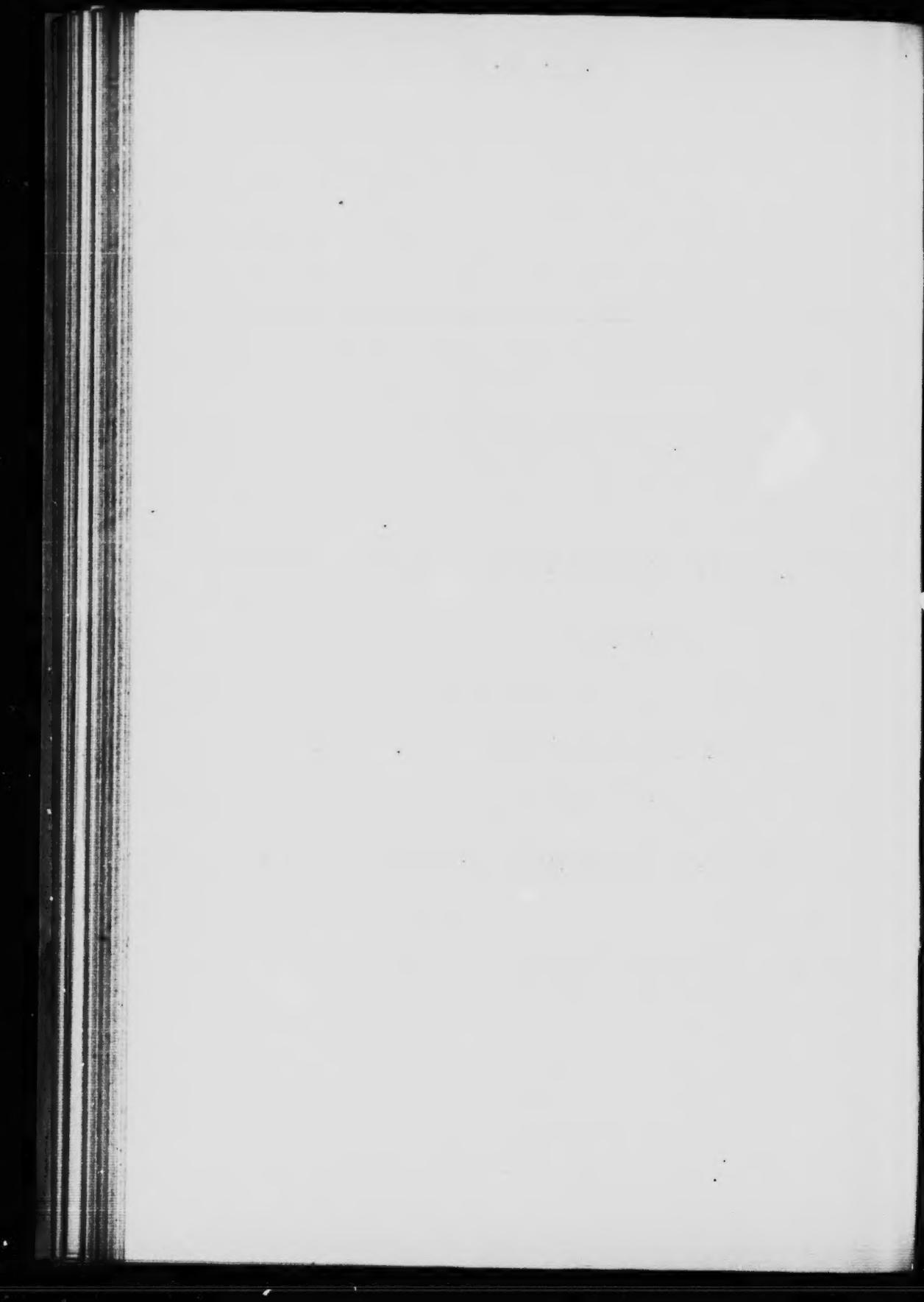
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BULLETIN No. 112

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HIGHLY COLOURED CONFECTIONERY

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**BULLETIN No. 112**

**HIGHLY COLOURED CONFECTIONERY.**

W. J. GERALD, Esq.,  
Deputy Minister of Inland Revenue.

OTTAWA, Ont., November 10, 1905.

SIR.—I beg to submit herewith a tabulated statement of the results of examining 111 samples of highly coloured confectionery which were collected according to your instructions in the months of August and September last.

The chief object in making this collection was to ascertain whether any of the colours used in manufacturing such sweet meats contained mineral impurity, under which term is understood the metals lead and arsenic. It will be seen that the examination resulted in demonstrating the entire absence of these metals. In only one case was the preservative shown, but in such very minute quantity as to be completely harmless. The particulars as regards the presence of dyes are given in the tables and the experiments placed over the same by Mr. McGill, who was assisted in the examination by Misses E. E. Wright and E. Davidson.

I have the honour to be, sir,  
Your obedient servant,

THOMAS MACFARLANE,  
*Chief Analyst.*

## INSPECTION OF HIGHLY

EXPLANATIONS.—(1) The letters P = (Penetrant) and S = (Superficial) are written under the colours found to be soluble in water, and to dye

Date	Collection.	Nature of Sample and Inspector's Report.	No. of Sample.	Name and Address of Vendor.	COST.	
					Quantity. Lbs.	Value. \$ cts.
1905.		<i>District of Prince Edward Island— T. Moore, Inspector.</i>				
Aug. 12.	Confectionery.		24494	Sanderson & Co., Charlottetown.	1	0 12
" 12.	"		24495	W. A. Hutcheson	1	0 10
" 12.	"		24496	A. Gates & Co.	1	0 10
" 12.	"		28204	Mrs. W. F. Carter	1	0 16
" 16.	"		28213	A. A. McDonald Bros., George- town.	1	0 10
" 16.	"		28218	W. A. Pool, Lower Montague	1	0 10
" 17.	"		28222	Ruben Tuplin & Co., Kensington	1	0 10
" 17.	"		28226	D. McKenzie, Kensington	1	0 10
" 18.	"		28228	Waugh & Steeves, Summerside	1	0 10
" 18.	"		28231	J. B. Strong, Summerside	1	0 10
		<i>District of Nova Scotia—R. J. Waugh, Inspector.</i>				
Aug. 16.	Sold as a mixture.		27068	Wentworth Stores, Windsor	1	0 10
" 16.	"		27069	F. Ward, Windsor	1	0 12
" 17.	Sold as wood candy		27074	W. E. Crowe, Halifax	1	0 10
" 17.	Sold as ribbon candy		27075	S. J. Wilson	1	0 20
" 17.	Sold as orange slices		27076	Moir, Son & Co., Ltd., Halifax	1	0 10
" 17.	Sold as all day suckers		27077	" " "	1	0 12
" 17.	Sold as a mixture		27078	" " "	1	0 12
" 17.	"		27081	A. Hubley, Halifax	1	0 12
" 17.	Sold as cocoanut tritters		27084	P. Gaspero	1	0 12
" 18.	Sold as a mixture		27086	Jas. Bowman	1	0 10
		<i>District of New Brunswick—J. C. Ferguson, Inspector.</i>				
Aug. 14.	Cream Mixture.		24048	J. F. Foley, 427 Main St., St. John, N.B.	1	0 16
" 14.	French Cream Mixture		24049	J. Murphy, 149 Main St., N.E., Indianstown, St. John	1	0 30
" 14.	Stick candy		24050	Hann Bros., 461 Main St., N.E., St. John	1	0 16
" 14.	Fruit Drops		24051	White Candy Co., 240 & 242 Union St., St. John	1	0 14
" 14.	Conversation Lozenges		24052	Chas. F. Francis & Co., 141 Char- lotte St.	1	0 20
" 15.	Satin Gloss Chips		24053	V. Barkers, Ltd., 104 Princess S., St. John, N.B.	1	0 30
" 23.	Vendor would not sell as pure		24079	D. S. Mann & Son, Main St., Petti- codiac, N.B.	1	0 10
Sept. 1.	Jubilee Mixture		24101	Ramsay Bros., 667 Main St., St. John, N.B.	1	0 16
" 1.	Royal Mixture		24102	G. J. Hamilton & Sons, 734 Main St., St. John, N.B.	1	0 14
" 1.	Gloria Mixture		24103	McCormick Mfg. Co., 67 Dock St., St. John, N.B.	1	0 16

## COLOURED CONFECTIONERY.

present in the sample. (2) Where no contrary statement is made, these colouring matters have been wool to the tint named from an acid bath.

## INSPECTION OF HIGHLY COLOURED

Date of Collection.	Nature of Sample and Inspector's Report.	No. of Sample.	Name and Address of Vendor.	Cost.	
				Quantity.	Value.
1905	<i>District of Quebec—C. E. Roy, Inspector.</i>			Lbs.	\$ cts.
Sept. 12.	Confectionery.....	29006	J. A. Blondeau, 430 St. John St.,	1	0 12
" 12.	" .....	29007	Omer Lamontagne, 372 St. John St.,	1	0 12
" 12.	" .....	29008	Geo. Romeril, 54 St. Patrick St.,	1	0 10
" 13.	" .....	29009	Desiré Charest, 430 St. Joseph St.,	1	0 08
" 13.	" .....	29010	Wilfrid Charest, 160 Savageau St.,	1	0 08
" 13.	" .....	29011	Mason & St. Germain, Sault au Matelot.	1	0 08
" 13.	" .....	29012	A. B. Dupuis, 190 St. Paul St.,	1	0 10
" 15.	" .....	29020	Albert Brousseau, 651 St. Valier St.,	1	0 12
" 22.	" .....	29035	J. N. Godin & Co., Three Rivers.,	1	0 06
" 27.	" .....	29033	La Manufacturing Biscuit et Con- fiserie, Scott Junction.		
	<i>District of St. Hyacinthe—J. C. Rouleau, Inspector.</i>				
Aug. 21.	Candy Red Pipes.....	24748	N. Larive, Farnham .....	1	0 14
" 22.	Yellow Lemon Drops .....	24749	N. Langlin, St. Constant .....	1	0 16
" 22.	Candy Marbles, red striped .....	24750	Demers & McGee, Laprairie .....	1	0 12
" 23.	Lemon Sour Candy .....	24751	J. B. Cote, Valleyfield .....	1	0 16
" 23.	Wintergreen Berries .....	24752	A. A. Danforth, Valleyfield .....	1	0 20
Aug. 23.	Red Sticks.....	24753	W. Brown & Sons, Pt. Fortune .....	1	0 10
" 24.	All-day Suckers, orange .....	24754	J. H. Creswell, Lachute .....	1	0 12
" 24.	Ass. Coloured Easter Eggs .....	24755	C. Regimbal, Buckingham .....	1	0 30
" 24.	Lemon Sour Candy .....	24756	J. Lang .....	1	0 15
" 30.	Strawberry Taffy.....	24757	Du Sault Cie., Joliette .....	1	0 15
	<i>District of Montreal, J. J. Costi- gan, Inspector.</i>				
Aug. 22.	Carnation Creams .....	26801	E. P. Charlton & Co., 1471 St. Cath- erine St.	1	0 20
" 22.	Gum Drops .....	26802	" .....	1	0 10
" 22.	Coloured Peppermints .....	26803	A. Panagakos, 1464 St. Catherine St.	1	0 16
" 22.	Candy Fruit .....	26804	" .....	1	0 20
" 22.	Winter Green .....	26805	H. Defoy, 1614 .....	1	0 20
" 23.	Caramels .....	26806	G. Gregopakos, 331 Notre Dame W.	1	0 20
" 23.	Winter Green .....	26807	" .....	1	0 24
" 23.	" .....	26808	Beauvais & Lalonde, 452 St. James St.	1	0 20
" 26.	Lemon Drops .....	26809	Alexandre Doré, St. Ann's Bellevue.	1	0 20
Sept. 1.	Raspberry Drops (in stock from January, 1905.)	26810	Z. Trudeau, 3571 Notre Dame St., St. Henri.	1	0 05
	<i>District of Kingston—J. Hojan and A. E. Sanderson, Inspectors.</i>				
Aug. 16.	Highly Coloured Confectionery ..	28401	Mrs. Hood, 178 Bank St., Ottawa ..	1	0 14
" 16.	" .....	28403	Geo. Trudel, 181 Rideau St. ..	1	0 10
" 21.	Candy .....	28501	W. J. Crothers, King St., Kingston.	1	0 50
" 21.	" .....	28502	W. J. Pritchard, Princess St. ..	1	0 35
" 21.	" .....	28503	W. H. Carnoosky, Brock St. ..	1	0 23
" 21.	" .....	28504	S. C. Hambrook, King St. ..	1	0 20

## CONFECTIONERY—Continued.

Name and Address of Manufacturer or Furnisher.	RESULTS OF ANALYSIS.								Remarks.	
	Colours present in the Sample.							Mineral Impurity		
	Red.	Pink.	Orange.	Yellow.	Green.	Blue.	Violet.			
D. S. Perrins Co., London, Ont.	P			P				None	29006	
"	S			S				"	29007	Yellow did not dye wool.
Geo. Romeril, 54 St. Patrick St.	S			S				"	29008	
Wilfrid Charette, 160 Savageneau St.	S			S				"	29009	
Vendor	S			S				"	29010	
J. Hamilton, Pictou, N.S.	P			S				"	29011	
A. B. Dupuis, 190 St. Paul St.	P			P				"	29012	Yellow did not dye wool.
Vendor	S			S				"	29020	
J. N. Godin & Co., Three Rivers.	S			S				"	29035	
La Manufacturing Biscuit et Confiserie, Scott Junction, Beauce Co.	P			P				"	29033	
Luttrell & Son, Montreal.	P								24748	
Vian et frères				P				"	24749	Wool not dyed.
"	S							"	24750	
F. Deguire, Montreal.	S							"	24751	
Ganong Bros., St. Stephen, N.B.	S							"	24752	
McCormick, London, Ont.	P							None	24753	
The W. Patterson & Son, Ltd., Brantford.				P				"	24754	Does not dye wool.
D. S. Perrin & Co., London, Ont.	S							"	24755	
Bunnell Bros., Ottawa.				P				"	24756	Wool not dyed.
Vendors	P							"	24757	
Not known				P				None	26801	
"	P								26802	
"	P								26803	
"	S			P					26804	
"									26805	
"	S								26806	
"	P								26807	
L. Martineau & Co., Montreal.				P				"	26808	Does not dye wool.
Lang Manfg. Co.				P				"	26809	
Vian frères				P				"	26810	
J. S. Stewart, Toronto.	S	P		P				None	28401	
Vendor	P							"	28403	
W. J. Crothers, Wellington St., Kingston.	S							"	28501	
Robertson Bros., Toronto.	P							"	28502	
"	P							"	28503	
"	S							"	28504	

## INSPECTION OF HIGHLY COLOURED

Date of Collection.	Nature of Sample and Inspector's Report.	No. of Sample.	Name and Address of Vendor.	COST.	
				Quantity.	Value. \$ cts.
<i>District of Kingston—Con.</i>					
Aug. 21.	Candy .....	28505	J. Hiscock, Princess St., Kingston.	1	0 10
" 21.	" .....	28506	A. J. Rees, Princess St. "	1	0 40
" 21.	" .....	28507	T. Petters "	1	0 20
" 21.	" .....	28508	J. McLaughlin "	1	0 30
<i>District of Toronto—A. E. Sander- son, Acting Inspector.</i>					
Aug. 24.	Highly Coloured Confectionery .....	28409	C. G. Hamer, 314 Yonge St., To- ronto.	1	0 10
" 24.	" .....	28410	J. E. Hands, 243 King St., Toronto.	1	0 10
" 24.	" .....	28411	Mr. Thom's, 230 Queen E., "	1	0 10
" 25.	" .....	28422	G. Farwell, 1166, Yonge St., North Toronto.	1	0 10
" 26.	" .....	28427	G. Gates, Oakville .....	1	0 14
" 26.	" .....	28429	Thos. Harker, Oakville .....	1	0 10
" 28.	" .....	28436	Joe Rosart, 98 King West, Hamil- ton.	1	0 10
" 28.	" .....	28436	B. Edwards, 102 King St., W., Ha- milton.	1	0 27
" 28.	" .....	28443	M. Hall, 70 James St., Hamilton..	1	0 10
" 28.	" .....	28448	M. J. Smith, Dundas, Ont. ....	1	0 10
<i>District of London—T. Kidd, Inspector.</i>					
Aug. 14.	Highly Coloured Candies .....	22381	Joseph J. Prichards, Harrison .....	1	0 10
" 14.	Golley Mixed Candies .....	22377	C. W. Griffin, Wingham .....	1	0 10
" 15.	Mixed .....	22382	N. Crawford, Walkerton .....	1	0 16
" 14.	Coloured Candies .....	22375	Cutch Bros., Seaforth .....	1	0 16
" 15.	Highly Coloured Candies .....	22387	George Days, Owen Sound .....	1	0 16
" 15.	Coloured Stick Candy .....	22388	McLaughlin & Son Co., Owen Sound	1	0 20
" 16.	Highly Coloured Candies .....	22390	W. F. Ellis, Meaford .....	1	0 14
" 23.	Coloured Candies .....	22407	John Charlton, Exeter .....	1	0 25
" 23.	" .....	22408	" .....	1	0 16
" 22.	" .....	22402	J. J. McEwan, Goderich .....	1	0 16
Aug. 23.	Coloured Candy .....	22406	George Scott, Hensol .....	1	0 10
" 22.	Highly Coloured Candies .....	22400	Thos. Beacom, Clinton .....	1	0 16
<i>District of Manitoba—W. M. Conklin, Inspector.</i>					
Sept. 13.	Candy .....	25583	Telfer Bros., Winnipeg .....	1	0 14
" 13.	" .....	25584	McNab & Roberts, Winnipeg .....	1	0 16
" 13.	" .....	25585	Kennedy Bros. "	1	0 14
" 13.	" .....	25586	Paulin, Chambers & Co. "	1	0 .....
" 13.	" .....	25587	The Mooney Biscuit and Candy Co., Winnipeg.	1	0 14
" 13.	" .....	25588	Scott, Bathgate & Co., Winnipeg ..	1	0 16
" 13.	" .....	25589	William Paterson & Son Co., Winnipeg.	1	0 .....

## CONFECTIONERY—Continued.

Name and Address of Manufacturer or Furnisher.	RESULTS OF ANALYSIS.									Remarks.	
	Colours present in the Sample.								No. of Sample.		
	Red.	Pink.	Orange.	Yellow.	Green.	Blue.	Violet.	Mineral Impurity.			
Robertson Bros., Toronto.	P				P			None.	28505		
Stewart, Toronto.	S	S						"	28506		
Robertson "	S							"	28507		
A. J. Curry, London, Ont.	S					S		"	28508		
Robertson & Watson, Toronto.	S	P		P				None	28409		
Vendor.	P	P		P				"	28410		
Robertson Bros., Toronto.	P	S		P				"	28411		
" "	P	P		P				"	28422		
Westlick, Woodstock.	S		P					"	28427		
Hamilton Confectionery Co.	P		P					"	28429		
Land, Hamilton	S		P					"	28435		
Vendor.	S		S			S	"		28436	Violet does not dye wool.	
Not known	P		P					Faint- est traces arsenic	28443		
Patterson, Brantford.	S	S						None	28448		
Perrin & Co., London, Ont.	P	S	P	P				None	22381		
Macormac Mfg. Co., London,	P	P	P					"	22377		
Ont.											
P. H. Doerr & Co., Berlin.	P	P					P	"	22382		
Bean & Westlake, Woodstock.	P	P					P	"	22375		
Lang Confect'y Co., Montreal.	S							"	22387		
Vendor.	S							"	22388		
D. S. Perrin, London.	P	S	P	P			P	"	22390		
Canada Biscuit Co., Toronto.	P	P	P	P			P	"	22407		
C. H. Doerr & Co., Berlin, Ont.	P	P	P	P			P	"	22408		
Macormick Mfg. Co., London.	P	P	P	P			P	"	22402		
Mooney Bicket Candy Co.,	S	P	P	P			P	"	22406		
Stratford, Ont.	P							"	22400		
D. S. Perrin, London, Ont.	P			P				"			
Robertson Bros., Toronto.	P	P		P			P	None.	25583		
Clarke, Nicholls & Coombes,								"	25584		
London, Eng.											
Vendor.	P							"	25585		
"	S		S	P			P	"	25586	Yellow did not dye wool.	
"	P		P	P			P	"	25587	Yellow dyed pink.	
Robertson Bros., Toronto.	S	S	S	S			S	"	25588		
Wm. Paterson & Son Co., Brant- ford.	S	S	S	S			S	"	25589	Yellow did not dye.	

## INSPECTION OF HIGHLY COLOURED

Date of Collection.	Name of Sample and Inspector's Report.	No. of Sample.	Name and Address of Vendor.	Cost.	
				Quantity.	Lbs.      \$ cts.
1905.	<i>District of Manitoba—Con.</i>				
Aug. 13.	Candy .. .	25590	A. Pratt	Winnipeg ..	1 0 16
" 13.	" .. .	25591	Dingles & Stewart	" ..	1 .....
" 14.	" .. .	25592	W. J. Boyd	" ..	1 .....
	<i>District of British Columbia—E. B. Parkinson, Inspector.</i>				
Aug. 15.	Confectionery. ....	26983	Geo. Wagg, Vancouver. ....	1 0 14	
" 15.	" .. .	26985	S. Harens	1 0 26	
" 16.	" .. .	26991	F. Carns, Victoria. ....	1 0 26	
" 17.	" .. .	28009	Sinclair's Grocery, New Westminster	1 0 16	
" 17.	" .. .	28010	N. J. Larsen	1 0 16	
" 15.	" .. .	26977	The Hudson Bay Co., Vancouver. ....	1 0 16	
" 15.	" .. .	26978	H. E. Almond (The Spa). ....	1 0 30	
" 15.	" .. .	26979	F. Gardner, Vancouver	1 0 26	
" 16.	" .. .	26995	J. Peters, Victoria. ....	1 0 26	
" 16.	" .. .	26998	H. A. Lilley	1 0 26	

## CONFECTIONERY.—*Concluded.*

Name and Address of Manufacturer or Furnisher.	RESULTS OF ANALYSIS.									Remarks.
	Red.	Pink.	Orange.	Yellow.	Green.	Blue	Violet.	Mineral Impurity.	No. of Sample.	
The Lang Mfg. Co., Montreal. McCormick Mfg. Co., London, Ont. Vendor.....	S	P		P	S		S	None	25590 25591	
		P		S				"	25592	Yellow did not dye wool.
Pither & Leiser, Victoria.....	P	P						None	26963	
Ramsay Bros., Vancouver.....		P						"	26985	
Popham Bros., Victoria.....		P			P			"	26991	
Not known.....	P	P		P				"	26909	
Ramsay Bros., Vancouver.....	P	P		P				"	26910	
Robertson Bros., Toronto.....	P	P		P				"	26977	
Ramsay Bros., Vancouver.....	P	P		P				"	26978	
Vendor.....	P	P		S				"	26979	
Not known.....	S	P						"	26995	
Vendor.....	P							"	26996	